

CLAIMS

1. A chucking apparatus in which a plurality of pawl bodies are provided in a radial direction of a hub body of a turntable such that said pawl bodies can move, a center hole of a disk is pressed by said pawl bodies to hold said disk, wherein

said chucking apparatus comprises a resilient member for biasing said pawl bodies outward of said hub body,

each of said pawl bodies includes a pawl portion which comes into contact with said disk, and a pawl-side stopper for limiting outward movement of said pawl bodies caused by said resilient member,

said hub body includes a pawl opening through which said pawl portion can project outward, and a hub-side stopper which abuts against said pawl-side stopper, and

a coil spring is used as said resilient member, and an outer end of said coil spring is provided at a location lower than an inner end of said coil spring.

2. The chucking apparatus according to claim 1, wherein the coil spring is used as said resilient member, said pawl body includes a rear end surface against which the outer end of said coil spring abuts, said rear end surface includes a first surface against which said upper portion of said coil spring abuts and a second surface against which a lower portion of said coil spring abuts, and an angle between said first surface and said second surface is changed such that a boundary portion between said first surface and said second surface becomes a convex portion.

3. The chucking apparatus according to claim 1, wherein the coil spring is used as said resilient member, said pawl body includes a rear end surface against which the outer end of said coil spring abuts, said rear end surface includes a first surface against which said upper portion of said coil spring abuts and a second surface against which a lower portion of

said coil spring abuts, and said first surface and said second surface are substantially in parallel to each other and they have steps.

4. The chucking apparatus according to claim 1, wherein the coil spring is used as said resilient member, said pawl body includes a rear end surface against which the outer end of said coil spring abuts, said rear end surface includes a first surface against which said upper portion of said coil spring abuts and a second surface against which a lower portion of said coil spring abuts, an axial direction of said coil spring in a state where said coil spring is in abutment against said first surface and an axial direction of said coil spring in a state where said coil spring is in abutment against said second surface are different.

5. The chucking apparatus according to claim 2, wherein in a state where said upper portion of said coil spring is in abutment against an upper portion of said rear end surface, a surface of said upper portion is perpendicular to a center line of said coil spring.

6. A chucking apparatus in which a plurality of pawl bodies are provided in a radial direction of a hub body of a turntable such that said pawl bodies can move, a center hole of a disk is pressed by said pawl bodies to hold said disk, wherein

said chucking apparatus comprises a resilient member for biasing said pawl bodies outward of said hub body,

each of said pawl bodies includes a pawl portion which comes into contact with said disk, and a pawl-side stopper for limiting outward movement of said pawl bodies caused by said resilient member,

said hub body includes a pawl opening through which said pawl portion can project outward, and a hub-side stopper which abuts against said pawl-side stopper, and

a receiving surface of a lower part with which a lower

end surface of said pawl body comes into contact is formed such that a height thereof at which said lower end surface comes into contact is lower than a height on an inner end side of said coil spring .

7. A disk apparatus using the chucking apparatus according to any one of claims 1 to 6, wherein said disk apparatus comprises a chassis outer sheath including a base body and a lid, a front surface of said chassis outer sheath is formed with a disk inserting opening in which a disk is directly inserted, a traverse provided on said base body holds a spindle motor and a pickup, an upper surface of said spindle motor includes said turntable, and said traverse is moved toward and away from said base body.